(b) if so, the details thereof; and

(c) the time by which these centres are likely to be made operational ?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (DR. MURLI MANOHAR JOSHI): (a) No such proposal have been received from Government of Orissa.

(b) and (c) Do not arise.

Pollution in river SAI

*589. SHRI B.P APTE : Will the Minister of ENVIRONMENT AND FORESTS be pleased to state :

(a) whether it is a fact that River Sai flowing from Raebareli to Jaunpur is heavily polluted with chemicals ;

(b) whether it is also a fact that the water of the river is even not consumable by the animals; and

(c) if so, the action being contemplated to remove the water pollution ?

THE MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI DILIP SINGH JUDEV): (a) to (c) The river Sai flowing from Raebareli to Jaunpur has been polluted mainly due to discharge of industrial effluents. There are six large industries in the basin of the river Sai. Out of the six industries, three paper mills are now closed. The remaining three units namely, M/s. Nandganj Sirohi Sugar Company Limited, Daryapur, Raebareli; M/s. Telephone Industries Limited, Raebareli and M/s. Shree Bhawani Paper Mills Limited, Sultanpaur Road, Raebareli have installed the requisite effluent treatment facilities. As a result of these measures, the water quality of the river has improved.

Agricultural Bio-technology Companies

*593. DR. ALLADI P. RAJKUMAR:

SHRIMATI N.P. DURGA:

Will the Minister of AGRICULTURE be pleased to state:

(a) the number of agricultural bio-technology companies and pharma-bio-tech companies in India; and

(b) how many of them are conducting commercial research on agriculture?

THE MINISTER OF AGRICULTURE (SHRI A JIT SINGH): (a) As ascertained from the Department of Biotechnology, Government of India, which is the nodal Department of Biotechnological Research in the country, there are 23 companies in the agricultural sector and 30 companies in the pharma sector using biotechnology. The lists of the companies are enclosed in Statement-I and Statement-II respectively. *{See* below)

(b) All the 23 companies, as listed in Annexure-I are pursuing commercial research in agriculture using biotechnological tools.

Statement-I

List of Modern Biotechnology Companies conducting commercial research in the area of Agriculture

Sl. No.	Name of the Company	Nature of Work
1.	Ankur Seeds Pvt. Ltd. Nagpur	Transgenic Crops
2.	Ajeet Seeds Co. Ltd., Aurangabad	Transgenic Crops
3.	Avestha Gengrainc Technologies Pvt. Ltd, Bangalore, Karnataka	Transgenic Crops
4.	Mahendra Hybrid Seeds Co. Ltd., Hyderabad	Transgenic Crops
5.	Nuziveedu Seeds Limited, Hyderabad	Transgenic Crops
6.	Maharashtra Hybrid Seeds Co. Ltd., Mumbai	Transgenic Crops
7.	J.K. Seeds Ltd., Secunderabad	Transgenic Crops
8.	Gangamai Sugar Industries Ltd., Aurangabad	Transgenic Crops
9.	Syngeta India Pvt. Limited, Aurangabad	Transgenic Crops
10,	Monsanto India Pvt. Limited, Bangalore	Transgenic Crops
11,	SPIC Ltd., Chennai	Transgenic Crops
12.	Indo-American Hybrid Seeds (India) Pvt. Ltd. Bangalore	Transgenic Crops

1	2	3
13.	Metahelix Life Sciences Private Limited, Bangalore	Transgenic Crops
14.	Maharashtra State Seeds Corporation Ltd., Akola	Transgenic Crops
15.	Proagro Seed Company Ltd., Gurgaon	Transgenic Crops
16.	Nath Seed Company Ltd., Aurangabad	Transgenic Crops
17.	Tulasi Seeds Private Limited, Hyderabad	Transgenic Crops
18.	De-Nocil Crop Protection Pvt. Ltd., Mumbai	Transgenic Crops
19.	Rasi Seeds (P) Ltd., Attur, Tamilnadu	Transgenic Crops
20.	Hybrid Rice International Ltd., Hyderabad	Transgenic Crops
21.	Krishdhan Seeds Ltd., Hyderabad	Transgenic Crops
22.	Nandi Seeds Co. Pvt. Ltd., Hyderabad	Transgenic Crops
23.	Rallis Co. Ltd., Bangalore	Transgenic Crops

Statement-II

List of Modern Biotechnology Companies conducting commercial research in the area of Pharmaceuticals

SI. .No.	Name of the Company	Nature of Work
I	2	3
1.	Cadila Healthcare Ltd., Ahmedabad	r-DNA Pharmaceuticals
2.	USV Ltd., Mumbai	r-DNA Pharmaceuticals
3.	Bharat Biotech, International Ltd., Hyderabad	r-DNA Pharmaceuticals
4.	Shantha Biotechnics Pvt. Ltd., Hyderabad	r-DNA Pharmaceuticals
5.	SUN Pharmaceutical Industries Ltd., Baroda	r-DNA Pharmaceuticals

1	2	3
6.	Brilliant Industries Limited, Hyderabad	r-DNA Pharmaceuticals
7.	Panacea Biotech. Ltd., New Delhi	r-DNA Pharmaceuticals
8.	Medgene Biotech Pvt. Ltd., Hyderabad	r-DNA Pharmaceuticals
9.	Emcure Pharmaceuticals Ltd., Pune	r-DNA Pharmaceuticals
10.	Dr. Reddy's Laboratories Ltd., Hyderabad	r-DNA Pharmaceuticals
11.	Serum Institute of India Ltd., Pune	r-DNA Pharmaceuticals
12.	Torrent Limited, Ahmedabad	r-DNA Pharmaceuticals
13.	Transgene Biotek Ltd., Hyderabad	r-DNA Pharmaceuticals
14.	Indo Bioactive Labs (P) Ltd., Pune	r-DNA Pharmaceuticals
15.	INTAS Pharmaceuticals Ltd., Ahmedabad	r-DNA Pharmaceuticals
16.	Wockhardt Ltd., Aurangabad	r-DNA Pharmaceuticals
17.	Indian Immunologicals, Hyderabad	r-DNA Pharmaceuticals
18.	V.H. Bhagat & Co. Ltd., Mumbai	r-DNA Pharmaceuticals
19.	LUPIN Limited, Mumbai	r-DNA Pharmaceuticals
20.	Shreya Life Sciences Ltd., Mumbai	r-DNA Pharmaceuticals
21.	Biological E. Limited, Hyderabad	r-DNA Pharmaceuticals
22.	Biocon India Ltd., Bangalore	r-DNA Pharmaceuticals
23.	Shasun Chemicals and Drugs Ltd., Chennai	r-DNA Pharmaceuticals
24.	Dabur Research Foundation, Ghaziabad	r-DNA Pharmaceuticals
25.	Bhat Biotech. Ltd., Bangalore	r-DNA Pharmaceuticals
26.	Dano Chemicals Ltd., Hyderabad	r-DNA Pharmaceuticals
27.	East India Pharmaceuticals Ltd., Kolkata	r-DNA Pharmaceuticals
28.	Virchow Biotech. Pvt. Ltd., Hyderabad	r-DNA Pharmaceuticals
29.	Aktiva Biotech. Ltd., Hyderabad	r-DNA Pharmaceut

r-DNA= Recombinant deoxyribonucleic acid